

Board of Inspection and Survey (INSURV)

Operations (OP) Brief

References:

- a. INSURVINST 4730.1B
- b. 10 U.S.C. § 7304
- c. OPNAVINST 4730.5M
- d. OPNAVINST C3501.2J
- e. OPNAVINST C3501.XXX (for unit)
- f. NWP 10-1-11 (Rev. A)
- g. INSURVINST 4730.8L
- h. INSURVINST 4730.11H
- i. INSURVINST 4730.21D
- j. FXP-2
- k. INSURVINST 4730.22B
- l. INSURVINST 4730.23A
- m. DON Information Technology Standard Guidance Version 98-1.1 of 15 Jun 98
- n. OPNAVINST 5100.19C
- o. CINCLANTFLT/CINCPACFLT 4790.3
- p. NAVSEA TE000-AA-PLN-010/2M

Enclosures:

- 1. AN/ULM-4 Criteria
- 2. Space Inspection Numerical Evaluation Criteria
- 3. DTE Equipment Operation Capability (EOC) Grade Sheet
- 4. HAWKLINK Test Sheet

Introduction:

INSURV is a completely open inspection. The inspector's goal is to make a factual report as to the material condition of the ship. To this end there is no evaluation of the crew performance in

any tactical, training, or maintenance evolution. Readiness for the INSURV is hinged upon preparation and execution. Preparation can best be accomplished by a steady strain on maintenance and cleanliness. That is the best way to ensure personnel are familiar with procedures and a consistent high level of maintenance is being accomplished. Execution is key in that the ship has a clear plan for inspection completion, events are well coordinated, and flexibility is built into the schedule to accommodate possible problems.

Preparation:

Combat Systems Demonstration Test Package

- A generic list of PMS that may or may not apply.
- Responsible for demonstrating all installed equipment, whether listed in the CSDTP or not.
- If SOVT is not complete will look at on case-by-case basis.
- PMS Spotchecks are not done by INSURV, however equipment is tested to PMS specifications.

Services

- Assist Ship
 - Determine what assist is needed and confirm via hardcopy.
 - Ask about installations, etc. that may impact their ability to assist.
- SESEF
 - Contact SESEF to ensure frequencies used and LINK parameters are understood.
 - A visit to SESEF by key personnel will pay big dividends.
- DTE
 - Services should be set up for 3 periods, 2 on day 2 and 1 on day 3.
 - IREPS/AREPS need to be obtained for the underway day and area.

AN/SLQ-32 evaluation on AN/ULM-4 Range:

- Level One within 30 days of inspection is accepted.

Ensure Combat Systems Smooth Log is up to date, all certifications are entered.

Ensure the Tagout and the Man Aloft logs are audited just prior to the inspection.

Ensure CSMP is cleaned up the week prior to the inspection and 3M coordinator prints out CO Summary for the inspection.

Ensure test equipment is ready to support (sufficient numbers available, operational and in calibration).

Ensure enough harnesses are available to support day 3 aloft. 15 harnesses are usually required.

Procedures:

FTSCLANT Support.

- A large number of FTSC Techs are onboard to assist the INSURV Board.
- Same technicians used for CASREP/Technical Assist visits.

Basic Schedule.

- Day 1
 - Pre-underway checks:
 - OP underway-restrictive items are Surface Radar and SPA-25 displays.
 - Individual Equipment checks.
 - Some space inspections (CIC specifically).
 - About 1400-1430 need to secure equipment for Engineering Power checks.
 - After power checks recommend running OCSOT to ensure interfaces are in line for DTE (note: INSURV does not observe OCSOT).
- Day 2
 - Underway demonstrations.
 - LINK and IFF on-air Checks.
 - Space Inspections.
 - Program (2M, GPETE, ect.) checks.
- Day 3
 - Open and Inspect:
 - Mast/Topside Inspection.
 - Any equipment designated prior to end of underway.
 - BFTT scenario, if necessary.

- Complete remaining items.

Battle Force Team Trainer (BFTT).

- Equipment checks, not training
- Don't need to see full training scenario, just enough to check interfaces.

Program Endurance Run.

- Reloads only if system crashes. Log/notify inspector prior to reloading program.
- Inport/At Sea Disk Packs for AEGIS are loaded when appropriate.
- Shift to training/tactical when appropriate for VLA engagement.

LINK.

- 11 with local OPAREA as early as possible throughout underway.
- 4A with SESEF, plan accordingly, get parameters day before.
- 16 with SESEF, NTISA, or assist ship, exchange data, voice if possible.
- HAWKLINK helo-in-the-box on day 3 due to gyro requirements.

Cooperative Engagement Capability (CEC).

- Support ship/station needs to be scheduled.
- Data exchange that is verified via the chat channel is acceptable.

Detect To Engage (DTE).

- Services should be set up for 3 periods, 2 on day 2 and 1 on day 3.
- Use backup times if necessary. It is easier to cancel than get short notice services.
- IREPS/AREPS need to be posted for the day, long-range distance is determined by IREPS predicted 90% probability of detection of the intended target.
- Equip vs. Tactical.
- Grade Sheet (enclosure).

SESEF Services.

- AN/SLQ-32 evaluation on AN/ULM-4 Range (if not previously accepted).
- TACAN checks.
- IFF Checks (ensure Mode 4 code is loaded).

- GFCS Beacon Checks.
- Communications Checks.
- Link Checks (LINK 4A, 16, 11, ensure parameters are previously coordinated).

2M Program.

- Review last certification.
- Verify corrections.
- Discuss program policies.

GPETE Program.

- Review 310
 - Ensure latest info is hand-written on 310 and percentage is adjusted to show correct readiness.
- Review Cal Lab certification.
- Discuss GPETE policies.

Smooth Log.

- Review log for format and content

Mast Inspection.

- 2-3 uniformed inspectors.
- 10-12 FTSC inspectors.
- Look at structure, ladders, climber safety rails, hand/life rails, antennas, grounding, cable hardware, lights, electrical outlets, SP telephone outlets, cutout switches, hatches, etc.

Space Inspections.

- Grade Scale (enclosure)

PCMS.

- Review previous score and corrections made.
- Re-scored based on current condition
- Zero is perfect score, average is 80-100, degraded is 101-224, UNSAT is above 225.